



# **NAWCWD**

## **Division Overview**



Naval Air Warfare Center Weapons Division  
**China Lake – Point Mugu, California**

**This brief is approved for public release; distribution is unlimited.**

<b>Report Documentation Page</b>			Form Approved OMB No. 0704-0188	
<p>Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p>				
1. REPORT DATE <b>MAR 2011</b>	2. REPORT TYPE	3. DATES COVERED <b>00-00-2011 to 00-00-2011</b>		
4. TITLE AND SUBTITLE <b>NAWCWD Division Overview</b>		5a. CONTRACT NUMBER		
		5b. GRANT NUMBER		
		5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)		5d. PROJECT NUMBER		
		5e. TASK NUMBER		
		5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>Naval Air Warfare Center Weapons Division,China Lake - Point Mugu,CA,93555</b>		8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)		
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release; distribution unlimited</b>				
13. SUPPLEMENTARY NOTES				
14. ABSTRACT				
15. SUBJECT TERMS				
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT <b>Same as Report (SAR)</b>	18. NUMBER OF PAGES <b>17</b>
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>	19a. NAME OF RESPONSIBLE PERSON	

# Providing our Warfighters the Decisive Advantage

## Our Vision

To be the leader providing innovative, integrated, and dominant warfighting effects for our Naval, joint, and coalition forces

## Our Mission

To execute full-spectrum weapons and warfare systems Research, Development, Acquisition, Test, and Evaluation (RDAT&E)

Through:

- Recruiting, developing, and retaining a relevant, qualified workforce
- Developing, maintaining, and operating our unique cross-domain space, land, air and sea range, and laboratory capabilities
- Partnering with industry, academia, DoD, and international communities
- Stewardship of our natural resources and environment

# Weapons Division Full-Spectrum RDAT&E

## Our Foundation

### People



### Organization



### Mission Capabilities



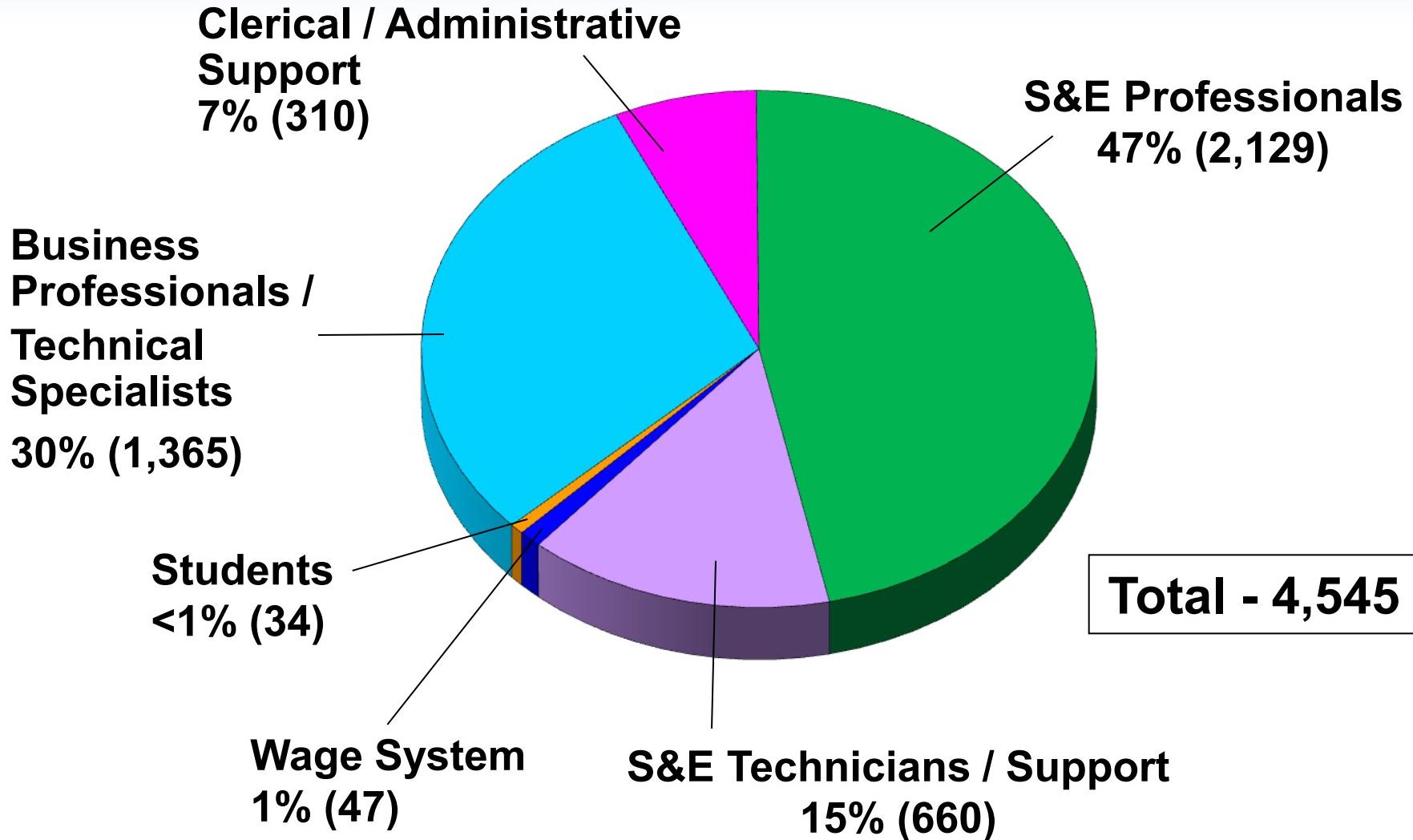
# Our People

Civilians	4,545
Military	213
Contractors work years	1,706
<hr/>	
Total	6,464



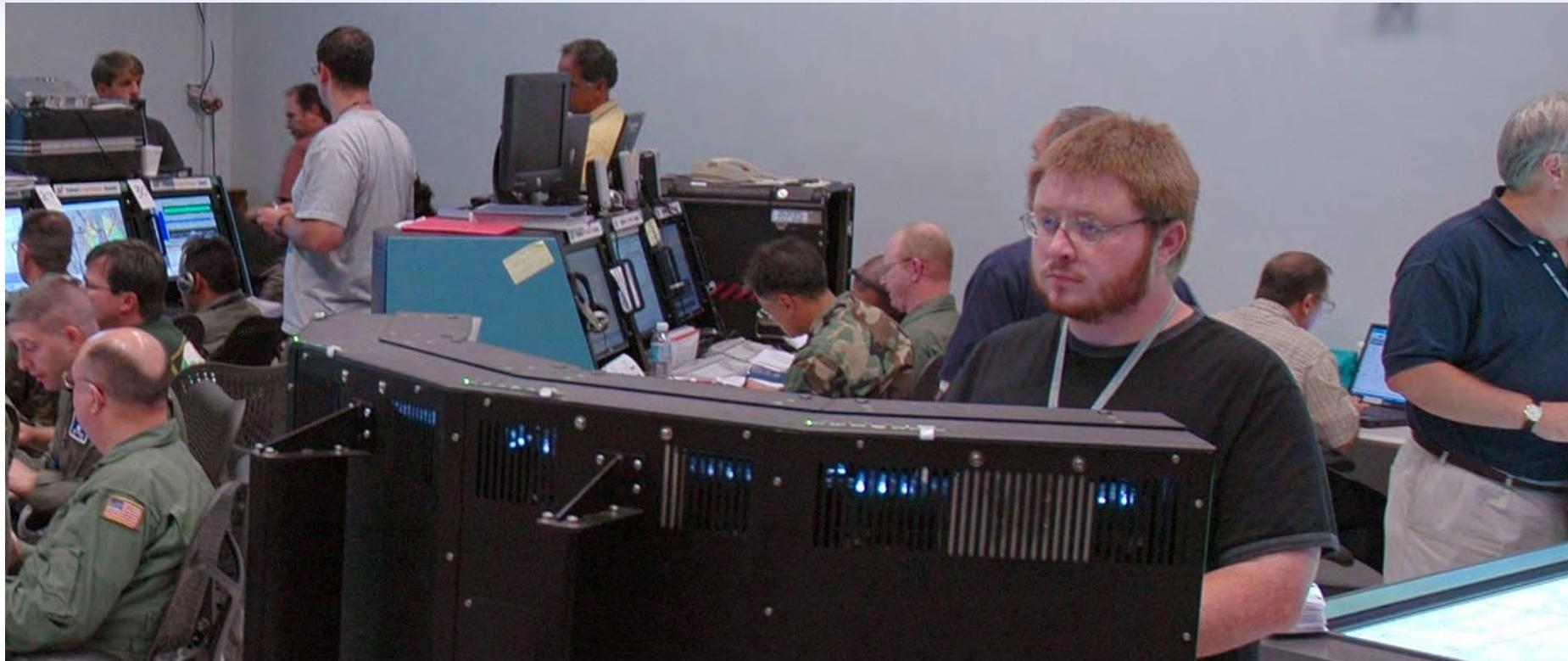
As of 31 December 2010  
NAWCWD Statistical Summary

# Our People by Occupation



As of 31 December 2010

# Civilian / Military Team



**Naval  
Test Wing  
Pacific**



**Air Test & Evaluation  
Squadron THREE ZERO  
(VX-30)**

**Air Test & Evaluation  
Squadron THREE ONE  
(VX-31)**



**Air Test & Evaluation  
Squadron NINE  
(VX-9)**



**Marine Aviation  
Detachment  
(MAD)**

# Navy Organization

Secretary of the Navy

Chief of Naval Operations  
(CNO)

Assistant Secretary of the Navy  
Research, Development, & Acquisition (ASN RDA)

Naval Air  
Systems  
Command  
(NAVAIR)

Naval Sea  
Systems  
Command  
(NAVSEA)

Space and  
Naval Warfare  
Systems Command  
(SPAWAR)

Program  
Executive Offices  
(PEOs)

Chief of  
Naval Research  
(CNR)

Aircraft Division



Weapons Division



Depots



Fleet Readiness Centers



**NAVAIR**

China Lake

Point Mugu

North  
Island

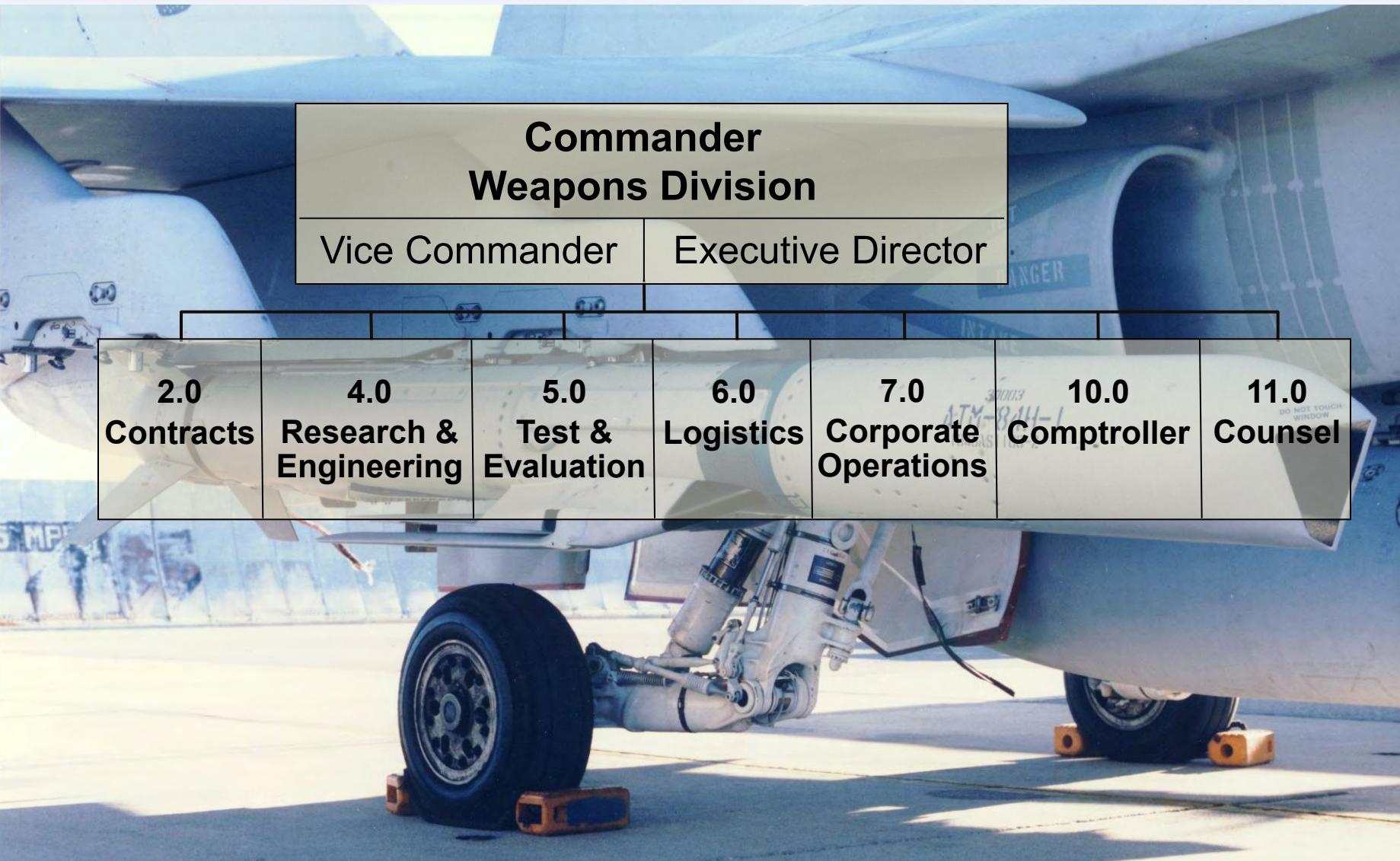
Patuxent River

Cherry Point

Jacksonville

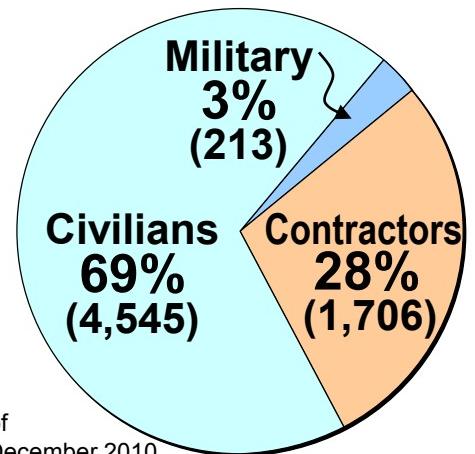
Orlando

# Weapons Division Organization

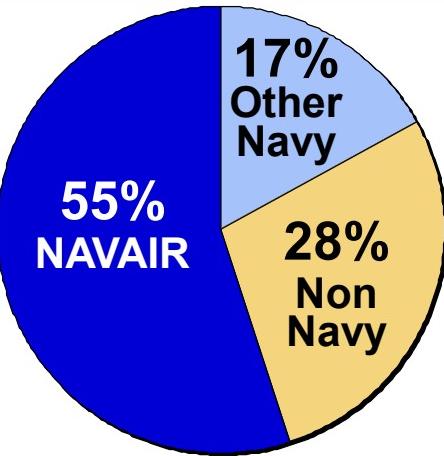


# NAWCWD Command Operations

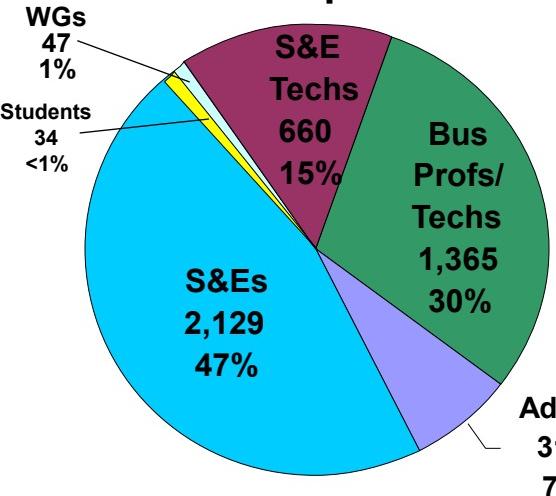
**Workforce 6,464**



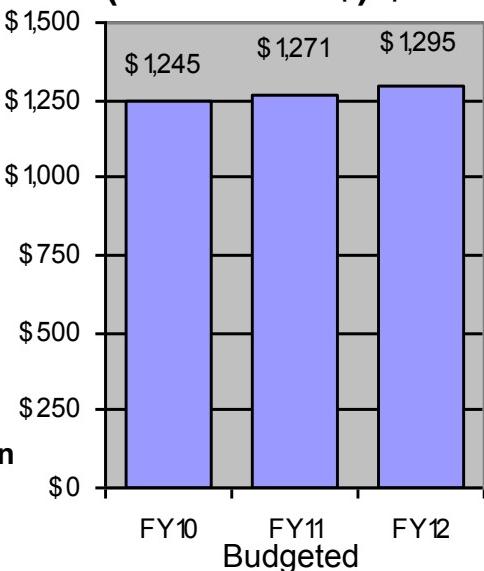
**Customer Base**



**Workforce by Discipline**



**New Orders  
(Then Year \$) \$M**



## NAWCWD Key Attributes

- **Major Programs FY11:**

- F/A-18 & E/A-18G
- Tomahawk
- Standard Missile
- JSOW
- JSF
- ESSM / Sparrow
- AV-8B
- SLAM-ER / Harpoon
- AMRAAM
- Counter-IED

- **S&T Innovation FY09:**

- 33 Patents Issued
- 49 Patent Disclosures
- 41 Patents Pending
- 9 CRADAs

- **Rapid Warfighter Response**

- F/A-18E/F/G Civilian ILS in H6+
- DPSS in-flight retargeting of Tomahawk Land Attack Missile
- Intrepid Tiger V2 + AN/ALQ-228 (V)2 IT
- SH-60S ROVER (FLIR downlink capability) in USN Helicopters
- SURFR – JUON for SPECWAR
- CORPORAL JCTD
- Harvest Hawk test support for Armed KC-130
- SABRE Focus - CNO demonstration
- Jammer Effectiveness Device (JED)
- Person - & Vehicle Borne IED Detect and Defeat
- Tactical Wheeled Vehicle Secondary Fire Suppression
- RTTO wrt Biometrics (two projects in work):
  - Next Generation Fingerprint Powder
  - Battlefield Multi-Test Kit

# What We Do



# Weapons / Platform Integration



**F/A-18**



**EA-18G**



**F-35**



**AV-8B**



**EA-6B**



**H-1**



**AH-1Z**



**AH-1W**

**UH-1Y**



**Ships**



**Submarines**



**UGV**



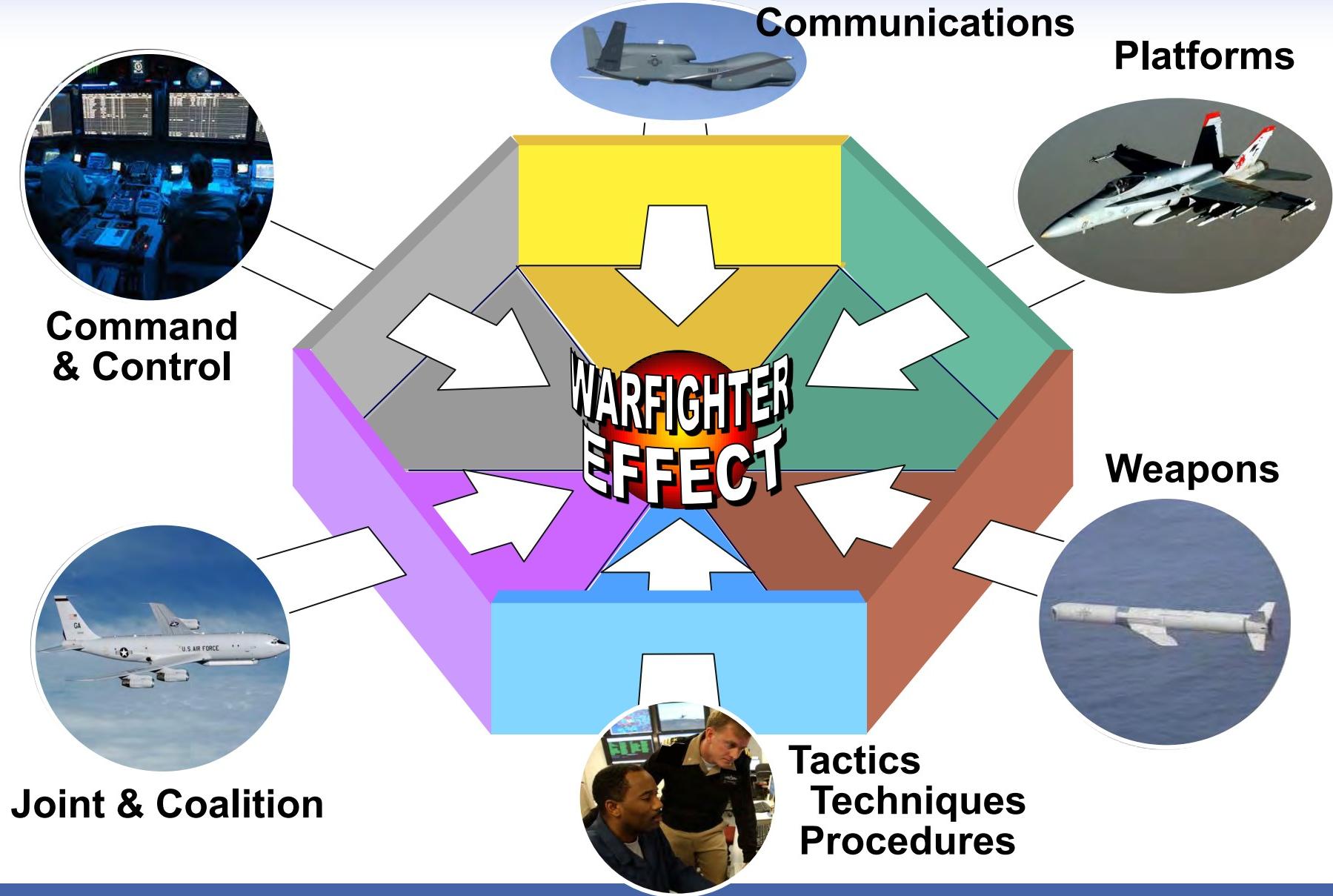
**ScanEagle**



**Firescout**

**Unmanned Systems**

# Systems of Systems and Horizontal Integration

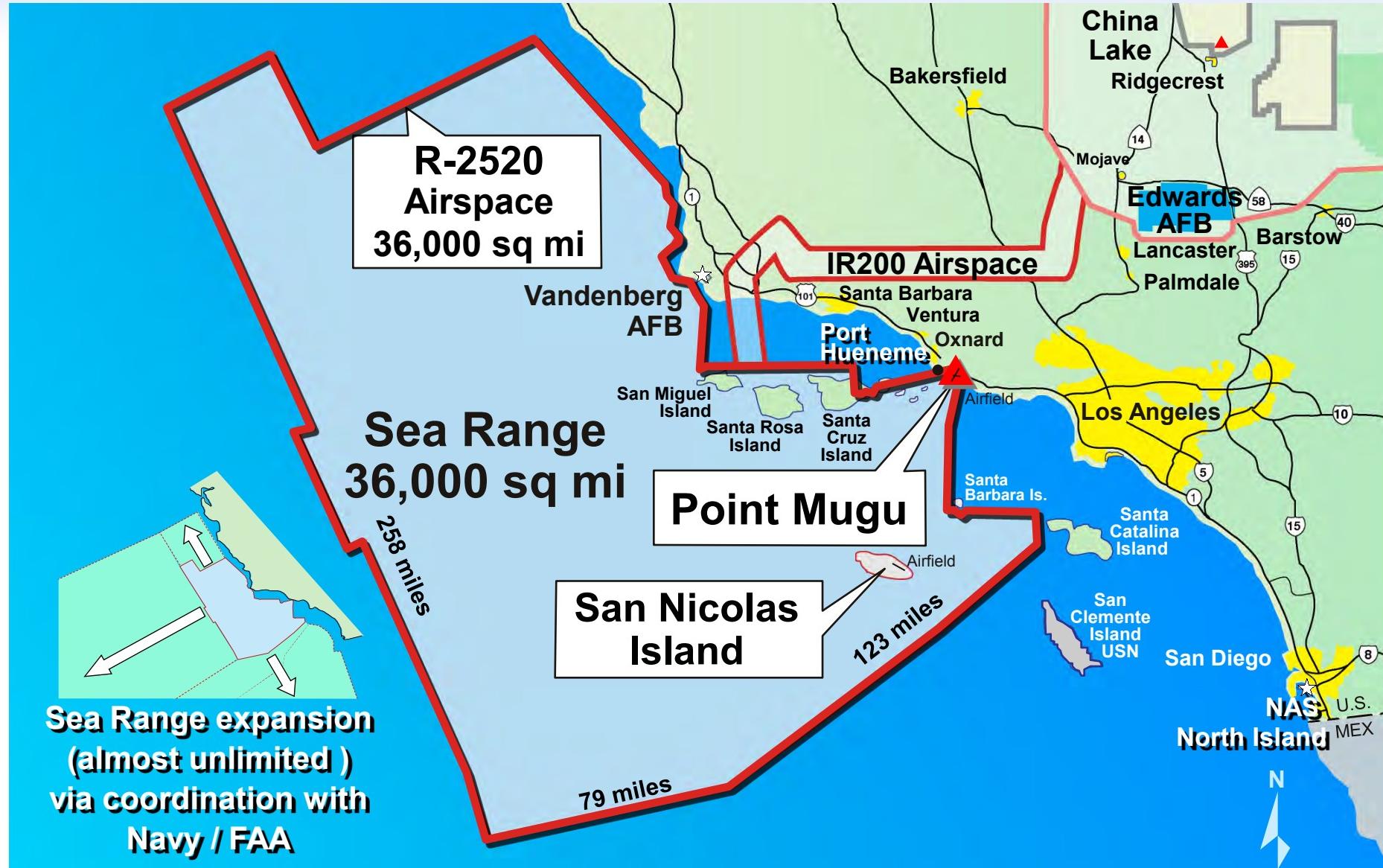


# Direct Fleet Support

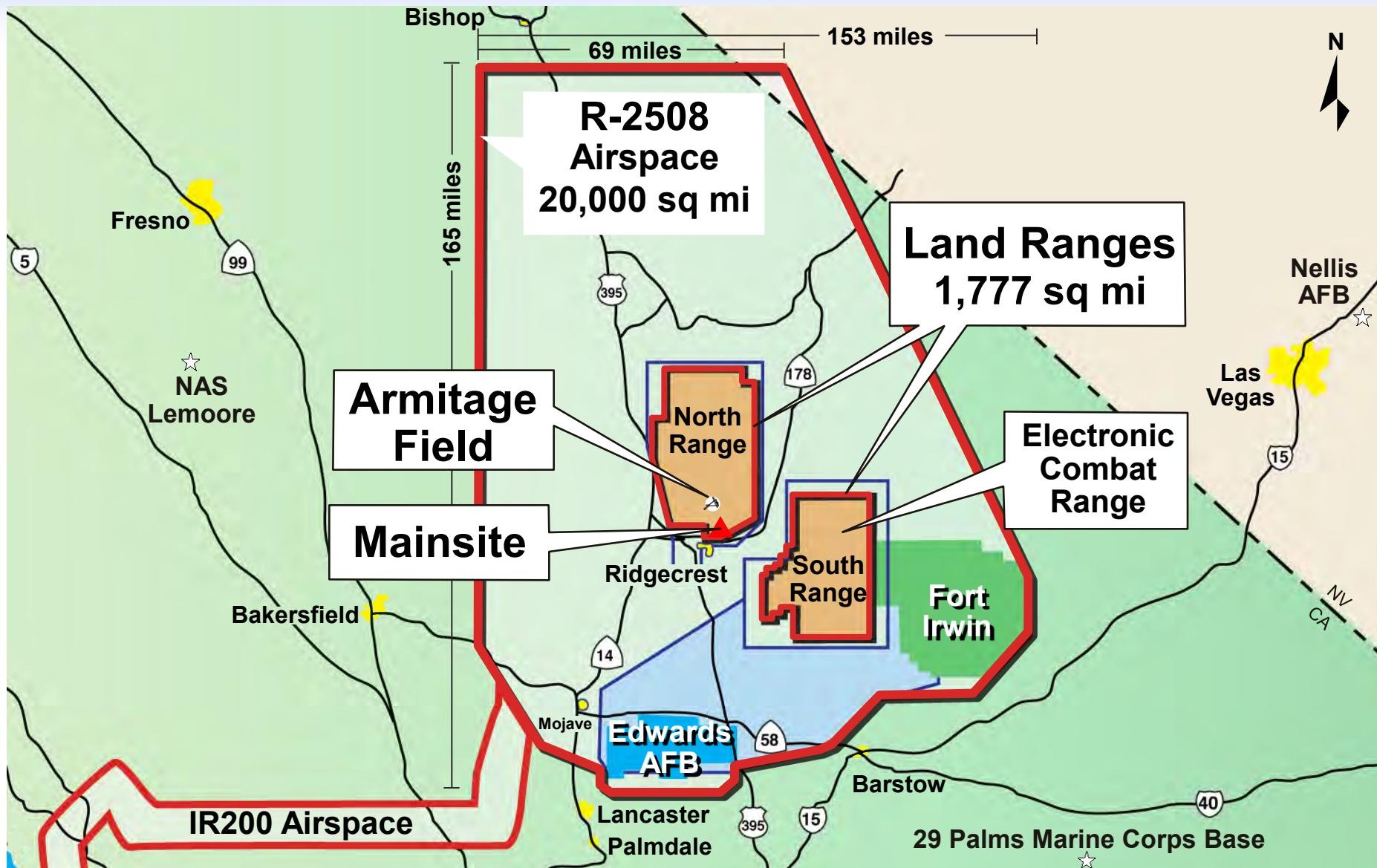
- Interface with Fleet personnel and TYCOMs
- Support Air Launched Weapons Team (ALWT)
- Conduct Weapons Readiness
- Reviews
- Respond to Conventional Ordnance Deficiency Reports (CODRs)
- Conduct Engineering Investigations
- Ensure deployment-ready systems
- Install Mission Planning Systems onboard CVNs
- Depot-level Weapons Support



# Point Mugu Sea Range



# China Lake Land Ranges



# DoD, Academia, Industry, and Coalition Networking



